

**Study Information For**  
**Product Registration - Section 3**  
**464-702**

MRID	Citation	Receipt Date
149769	Surprenant, D. (1984) Acute Toxicity of Formulation X42 to Bluegill ( <i>Lepomis macrochirus</i> ): Report No. BW-84-10-1661: Study No. 565. 0684.6103.100. Unpublished study prepared by Springborn Bio- nomics, Inc. 13 p.	25-Jun-1985
149770	Surprenant, D. (1984) Acute Toxicity of Formulation X42 to Rainbow Trout ( <i>Salmo gairdneri</i> ): Report No. BW-84-10-1662: Study No. 565.0634.6103.103. Unpublished study prepared by Springborn Bionomics, Inc. 13 p.	25-Jun-1985
149771	Surprenant, D. (1984) Acute Toxicity of Formulation X-42 to <i>Daphnia magna</i> : Report No. BW-84-9-1638: Study No. 565.0684.6103.110. Unpublished study prepared by Springborn Bionomics, Inc. 13 p.	25-Jun-1985
149772	Beavers, J. (1984) A Dietary LC50 in the Mallard with Formulation X42: Final Report: Project No. 142-130. Unpublished study pre- pared by Wildlife International Ltd. 13 p.	25-Jun-1985
149773	Myers, R. (1984) Aquacar 542 Water Treatment Microbiocide Acute Toxicity and Irritancy Study: Project No. 47-173. Unpublished study prepared by Union Carbide Bushy Run Research Center. 26 p.	25-Jun-1985
150171	Beavers, J. (1984) A Dietary LC50 Study in the Bobwhite with Formu- lation X42: Final Report: Project No. 142-129. Unpublished stu- dy prepared by Wildlife International Ltd. 14 p.	25-Jun-1985
150172	Beavers, J. (1984) An Acute Oral Toxicity Study in the Mallard with Formulation X42: Final Report: Project No. 142-131. Unpublished study prepared by Wildlife International Ltd. 24 p.	25-Jun-1985
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40452501	Riha, V. (1987) Efficacy Testing of Aquacar 542 Against <i>Legionella pneumophila</i> in Cooling Tower Water. Unpublished study prepared by Biosan Laboratories, Inc. 9 p.	22-Dec-1987
40545000	Union Carbide Corp. (1988) Submission of Chemistry Data in Support of Aquacar Water Treatment Microbiocide 542. Transmittal of 3 studies.	10-Mar-1988
40545001	Theis, A. (1987) End-use Product Chemistry: Aquacar 542. Unpublish- ed compilation prepared by Union Carbide Corp. 7 p.	10-Mar-1988
40545002	Theis, A. (1987) End-use Product Chemistry: Aquacar 542. Unpublish- ed compilation prepared by Union Carbide Corp. 9 p.	10-Mar-1988
40545003	Theis, A. (1987) End-use Product Chemistry: Aquacar 542. Unpublish- ed study prepared by	10-Mar-

	Union Carbide Corp. 4 p.	1988
41070900	Union Carbide Corp. (1989) Submission of Storage Stability Data in Support of Registration for AQUACAR 542 Water Treatment Micro- biocide (Reg. No. 10352-33). Transmittal of 1 study.	20-Apr-1989
41070901	Theis, A. (1989?) AQUACAR 542 Water Treatment Microbiocide: Storage Stability Data. Unpublished study prepared by Union Carbide Corp. 11 p.	20-Apr-1989
42110500	Union Carbide Chemicals and Plastic Co., Inc. (1991) Submission of Data To Support Aquacar 542 Water Treatment Microbiocide: Toxicology Study. Transmittal of 1 study.	29-Nov-1991
42110501	Beavers, J.; Jaber, M. (1984) A Dietary LC50 Study in the Bobwhite with Formulation X42: Glutaraldehyde (1,5 pentanedial): Lab Project Number: 142-129. Unpublished study prepared by Wildlife International, Ltd. 17 p.	29-Nov-1991
42110600	Union Carbide Chemicals and Plastics Co., Inc. (1991) Submission of Data To Support Aquacar 542 Water Treatment Microbiocide: Toxicology Study. Transmittal of 1 study.	29-Nov-1991
42110601	Beavers, J.; Jaber, M. (1984) A Dietary LC50 Study in the Mallard with Formulation X42: Glutaraldehyde (1,5, pentanedial): Lab Project Number: 142-130. Unpublished study prepared by Wildlife International, Ltd. 16 p.	29-Nov-1991
44097200	Union Carbide Corp. (1996) Submission of Pesticide Use, Exposure/Risk to Non Target Organisms, Pesticide Effects on Non-Target Animals, and Prevention/Mitigation of Adverse Effects Data in Support of the Registration of Glutaraldehyde. Transmittal of 2 Studies.	28-Aug-1996
44097201	Jordan, S.; Russo, M.; Blessing, R.; et al. (1996) Inactivation of glutaraldehyde by reaction with sodium bisulfite. Journal of Toxicology and Environmental Health 47(3):299-309.	28-Aug-1996
44097202	Jordan, S.; Stowers, M.; Trawick, E.; et al. (1996) Glutaraldehyde permeation: Choosing the proper glove. Amer. J. of Infection Control 24(2):67-69.	28-Aug-1996
44264600	Union Carbide Corp. (1997) Submission of Efficacy Data in Support of the Registration for Aquacar 514, 515, 542 and 545 Water Treatment Microbiocides. Transmittal of 7 Studies.	29-Apr-1997
44264601	Freid, M.; McIlwaine, D.; Miksztal, M. (1997) Efficacy of Aquacar Water Treatment Microbiocide Products in a Wastewater System at an Industrial Plant. Unpublished study prepared by Union Carbide Corp. 38 p.	29-Apr-1997
44264602	McIlwaine, D. (1996) Efficacy of Glutaraldehyde in an Industrial Wastewater Site. Unpublished study prepared by Union Carbide Corp. 7 p.	29-Apr-1997
44264603	Freid, M. (1996) Efficacy of Aquacar Water Treatment Microbiocide Products in a Dairy Sweetwater System. Unpublished study prepared by Union Carbide Corp. 12 p.	29-Apr-1997
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44264605	Grab, L. (1989) Aquacar Water Treatment Microbiocide Products Field Trial in an Industrial Air Washer System. Unpublished study prepared by Union Carbide Corp. 5 p.	29-Apr-1997
44264606	Grab, L. (1989) Aquacar Water Treatment Microbiocide Products Field Trials in Industrial Air Washer and Cooling Tower Systems. Unpublished study prepared by Union Carbide Corp. 10 p.	29-Apr-1997
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44267100	Union Carbide Corp. (1997) Submission of Efficacy Data in Support of the Registrations of Aquacar 514, 515, 542, and 545 Water Treatment Microbiocides. Transmittal of 1 Study.	02-May-1997
44267101	Union Carbide Corp. (1995) Aquacar Water Treatment Microbiocides Product Literature (Efficacy). Unpublished study. 67 p.	02-May-1997
44840300	Union Carbide Corporation (1999) Submission of Efficacy Data in Support of the Registration of Aquacar 514, 515, 542, and 545 Water Treatment Microbiocides. Transmittal of 1 Study.	05-May-1999
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44916500	Union Carbide Corporation (1999) Submission of Efficacy Data in Support of the Registrations of UCARCIDE 250 Antimicrobial, AQUCAR 542 Water Treatment Microbiocide, and AQUCAR 545 Water Treatment Microbiocide. Transmittal of 1 Study.	09-Sep-1999
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46202100	The Dow Chemical Company (2004) Submission of Product Chemistry Data in Support of the Amended Registration of Aquacar 542 Water Treatment Microbiocide. Transmittal of 1 Study.	20-Feb-2004
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46217901	Spratt, M. (2004) Validation of Method for Determination of n-Alkyldimethylbenzylammonium Chloride in Glutaraldehyde-Based Products: Ucarcide Antimicrobials, Aquacar Water Treatment Microbiocides, Piror Slimicides and Ucarsan Sanitizers. Unpublished study prepared by Dow Chemical Company. 17 p.	09-Mar-2004
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46224001	Ljaz, M. (2003) Virucidal Effectiveness Test Glutaraldehyde-Based Products: Ucarcide 250 Antimicrobial: Ucarsan 414 Sanitizer: Ucarsan Sanitizer 420: Final Report. Project Number:	17-Mar-

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46818100	The Dow Chemical Co (2006) Submission of Efficacy Data in Support of the Amended Registrations of Ucarcide 14 Antimicrobial and Ucarcide 42 Antimicrobial. Transmittal of 4 Studies.	13-Apr-2006
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